

Attorney Docket No. 06969.0028-00
Patent Application No. 09/335,689

- SUB D 4
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17. A method of delivering a biologically active molecule to a cell of a mammal comprising contacting said cell with a composition comprising a micellar complex, wherein said micellar complex comprises:
at least one cationic lipid;
at least one biologically active molecule; and
a least one PEG derivative
and wherein said micellar complex is part of a group of micellar complexes having a variation in size distribution of less than or equal to about 20%.

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25. A micellar complex comprising:
at least one cationic lipid;
at least one PEG derivative; and
at least one biologically active molecule;
wherein the variation in size distribution of a group of said micellar complexes is of less than or equal to about 20%.

Please add claims 31-46.

- SUB D 10
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31. A method of making micellar complexes comprising:
a) combining at least one cationic lipid with a sufficient amount of PEG derivative to produce micellar lipids;
b) combining said micellar lipids and at least one biologically active molecule to form said micellar complexes,
wherein the size distribution of said micellar complexes is narrower than the size distribution of lipid complexes prepared without a sufficient amount of the PEG derivative.
32. A method of making micellar complexes according to claim 31, wherein said PEG derivative is complexed to a co-lipid prior to step a).

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33. A micellar complex comprising:
at least one cationic lipid;
at least one PEG derivative; and
at least one biologically active molecule;
wherein micellar complex is part of a group of micellar complexes having a size distribution narrower than the size distribution of lipid complexes prepared without a sufficient amount of the PEG derivative.
34. A micellar complex according to claim 33, wherein said micellar complex further comprises a co-lipid.
35. A method of making micellar complexes comprising:
a) combining at least one cationic lipid with a sufficient amount of PEG derivative to produce micellar lipids;
b) combining said micellar lipids and at least one biologically active molecule to form said micellar complexes,
wherein said method does not necessarily require the formation of a lipid film comprising the cationic lipid.
36. A method of making micellar complexes according to claim 35, wherein said PEG derivative is complexed to a co-lipid prior to step a).
37. A micellar complex comprising:
at least one cationic lipid;
at least one PEG derivative; and
at least one biologically active molecule;
wherein the micellar complex is prepared by a method that does not necessarily require the formation of lipid film comprising the cationic lipid.
38. A micellar complex according to claim 37, wherein said micellar complex further comprises a co-lipid.
39. A method of making micellar complexes comprising:
a) combining at least one cationic lipid with a sufficient amount of PEG derivative to produce micellar lipids;
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- b) combining said micellar lipids and at least one biologically active molecule to form said micellar complexes,
wherein said micellar complexes preferably bind to airway epithelial cells.
40. A method of making micellar complexes according to claim 39, wherein said PEG derivative is complexed to a co-lipid prior to step a).
41. A micellar complex comprising:
at least one cationic lipid;
at least one PEG derivative; and
at least one biologically active molecule;
wherein said micellar complex preferably binds to airway epithelial cells.
42. A micellar complex according to claim 41, wherein said micellar complex further comprises a co-lipid.
43. A method of making micellar complexes comprising:
a) combining at least one cationic lipid with a sufficient amount of PEG derivative to produce micellar lipids;
b) combining said micellar lipids and at least one biologically active molecule to form said micellar complexes,
wherein particle size of said micellar complexes ranges from about 25 nm to about 250 nm.
44. A method of making micellar complexes according to claim 43, wherein said PEG derivative is complexed to a co-lipid prior to step a).
45. A micellar complex comprising:
at least one cationic lipid;
at least one PEG derivative; and
at least one biologically active molecule;
wherein the particle size of said micellar complex ranges from about 25 nm to about 250 nm.
46. A micellar complex according to claim 45, wherein said micellar complex further comprises a co-lipid.

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